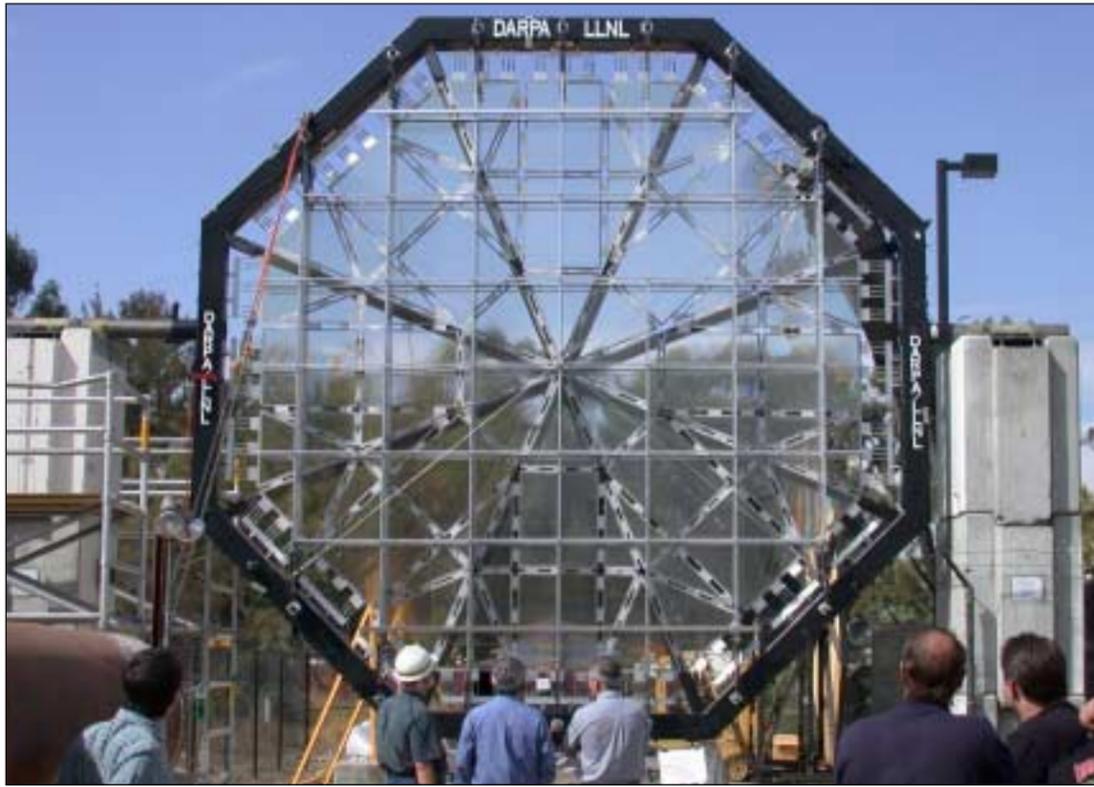


NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, January 24, 2003

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SHAM DIXIT/NIF

Researchers from the National Ignition Facility and the Physics and Advanced Technologies directorates display the Eyeglass 5-meter diffractive lens to Lab employees.

Giant lens to peer into deep space

By Anne M. Stark

NEWSLINE STAFF WRITER

What is 5 meters in diameter consists of 72 pieces and can fit into a hatbox?

A huge jigsaw puzzle? Well, kind of, but this jigsaw puzzle, when put together, has the ability to see into the vastness of the universe.

The National Ignition Facility and the Physics and Advanced Technologies directorates have unveiled the Eyeglass 5-meter diffractive lens, the world's largest lens to date, which is made up of 72 precisely aligned glass panels.

See **EYEGLOSS**, page 8

Fire in historic Australian observatory destroys telescopes and facilities

By Anne M. Stark

NEWSLINE STAFF WRITER

Raging fires earlier this week gutted the Mount Stromlo Observatory in Canberra, Australia, home of the historic Great Melbourne Telescope.

Along with the observatory's historic administration building, four telescopes, the equipment workshop and eight staff homes were destroyed.

Total damage is estimated at \$12 million. Among the destroyed telescopes was the 1.3-meter Great Melbourne Telescope (GMT), built in 1868. It had been upgraded in the late 1980s to find massive compact halo objects (MACHOs) in the outskirts of the Milky Way.

In addition, state-of-the-art detectors being built in the workshop for two of the world's largest telescopes, the Gemini telescopes, in Hawaii and Chile were gutted.

"Everybody's in shock right now," said astronomer Kem Cook of LLNL's Institute for Geophysics and Planetary Physics. "This was quite a blow to the whole world's astronomy community."

The Lab conducted a majority of its MACHO research at Mount Stromlo.

The fire scrapped approximately one-third of the Australian astronomical research program and

See **FIRE**, page 8



Mt. Stromlo Observatory

New rules for protecting personal health information

Compliance with the Privacy Rule of the Health Insurance Portability and Accountability Act (HIPAA) is required this spring, strengthening protections of personal health information of Laboratory employees.

The Act was established in 1996 to fortify the existing Federal Privacy Act. The University of California, and thus the Laboratory, is subject to HIPAA requirements because it is defined as a covered entity (employer/health plan and health service provider). Compliance with the implementation of the law is mandatory by April 14.

See **PRIVACY**, page 8

Life of Martin Luther King Jr. celebrated

By Arnie Heller

IBIS

Heartfelt comments, essay readings, a dramatic performance, stirring speeches and rousing singing marked the Lab's seventh annual celebration last Thursday honoring Martin Luther King Jr.'s birthday.

Throughout the two-hour event, speakers cited both the significant gains the nation has achieved to overcome prejudice and the progress that still needs to be made. Jan Tulk, associate director for Administration and Human Resources, noted that "the dreams embedded in Dr. King's statements are dreams that we all have." Tulk's directorate sponsored the event and Ralph Howard, acting group

leader for Diversity and Worklife Programs, served as master of ceremonies.

Kathleen Hardcastle, manager of Compensation, Benefits, and Worklife Programs Department, recalled that King was one of her heroes when she came of age in the 1960s.

"Martin Luther King personified moral courage in the face of adversity," she said. Hardcastle noted that the Lab was working hard to promote a culturally diverse workforce.

Mark Gaskins, a student at California State University at Hayward, gave a stirring rendition of Martin Luther King Jr.'s "I Have a Dream" speech that King delivered shortly before his death.

Matthew Jones from East Union High School in

See **MLK**, page 5



CIO on distributed computing

– Page 3



LLLWA awards scholarships

– Page 5



Reflections on Martin Luther King Jr.

– Page 7



LAB COMMUNITY NEWS

Weekly Calendar

Tuesday
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The Lab **Retirees Slide Group** will meet at 2 p.m. at the Livermore Library. Bob and Juanita Berlo will present "Our Beautiful Coast Redwoods and Crater Lake." The slide group meets the fourth Tuesday of the month, January-June. Contact: Margy Odell, 449-7262.

Wednesday
29

A brown-bag workshop on "**Caring for Aging Adults**" will be offered at noon in Bldg. 571, room 2301. The workshop will be presented by CONCERN and the Lab's Employee Assistance Program as part of the Career Center's Lunchtime Learning series. Pre-registration is required. To reserve a seat, contact Sharon Giovanni at 2-5571,

Friday
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The Benefits Office will continue the brown-bag series on how to **enhance your financial security** by participating in the Tax-Deferred 403(b). The next session will be held from 12:15 -1:15 p.m. in Bldg. 571, conference room 2301; additional sessions will be held on the last day of each month through October. Attendance is open and no pre-registration is required. Bring your lunch and your questions. For additional information about benefit services or events, see the Website at <http://www.llnl.gov/jobs/benefits>.

UP
Coming

LTV 1588-3, **Object-Oriented Programming with Java** (Days 1 and 2) has been rescheduled. The new dates are Friday, Feb. 21 and Wednesday, Feb. 26. The course will not be televised Jan. 28 and 30. Contact: LTV Coordinator, 4-5479 or olson34@llnl.gov.

The **LLESA Bowling League** is now forming for the spring season, Feb. 11 to May 27, at 6:15 p.m. on Tuesday nights at the Granada Bowl in Livermore. The league is open to all LLESA members. Teams will be comprised of five members of any combination. The cost is \$14 per person per week, with free babysitting services available. Space is limited; register by Feb. 3. To sign up, contact: Pat Chance, 2-2807, chance1@llnl.gov, Lori Grebil, 2-9210, grebil2@llnl.gov, or Lisa Szytel, 3-9246, szytel1@llnl.gov.

The **Retirees Analytical Chemistry Division**, also known as the ACS (Aging Chemists Society), is having a no-host Chinese buffet luncheon on Monday, Feb. 10, at 11:30 a.m. at the Willow Tree Restaurant, 6513 Regional Street, Dublin. Guests are welcome. Cost is \$11 which includes the buffet, tea, tax, and tip. Payment may be made at the door. RSVP by Feb. 6 with the number in your party to Bob or Anna Lim, 447-3036 or e-mail annalim@Juno.com.

Discovering the Lab



JULIE KORHUMMEL/NEWSLINE

Members of the Leadership Livermore class spent the afternoon at the Lab recently. Hosted by the Public Affairs Office, their agenda included an overview on the Laboratory as well as briefings on the National Ignition Facility and Homeland Security. Their tour of the Lab included stops at National Atmospheric Release Advisory Center (NARAC) and the Discovery Center (pictured above). Leadership Livermore, sponsored by the Livermore Chamber of Commerce, is a program designed to help develop future leaders in the community. The group meets once a month and spends a day learning about various aspects of the city. On this day, the theme was national laboratories and the group spent the morning at Sandia Laboratories before coming to LLNL.

IN MEMORIAM

Edward "Ted" Jessop

Lab retiree Edward "Ted" Jessop died Dec. 18. Jessop was a senior scientific associate in the Chemistry & Materials Science Directorate for more than 30 years.

He was a versatile chemist who made significant contributions in the area of polymer chemistry to the weapons and laser programs.

Jessop was instrumental in the development and implementation of polymeric resins used as binders in filament wound composite material structures for which LLNL developed an international reputation in the 1970s. He figured prominently in the design and utilization of mechanical test techniques for longterm stress rupture of single fiber and fiber bundle composite specimens, and in the development of ultralow density materials. Jessop was co-recipient of an R&D 100 award in 1988 for "Composite polymer glass edge cladding" that saved several million dollars for the Nova Program, and is now being used on the National Ignition Facility and all the other major Inertial Confinement Fusion lasers world wide.

His versatility and experience in polymer chemistry led to his extensive involvement in development of explosives formulations at LLNL, with most of his time spent at Site 300. He was instrumental in development of unique explosive formulations (extrudable, low vulnerability) that have been used for a wide variety of explosives applications by the Department of Energy and Department of Defense. He also was the lead chemist at Site 300 for evaluation of the chemical properties, physical properties, and compatibility of many explosives materials.

Jessop was a resource and mentor for many of the explosive formulation activities, both in town and at Site 300.

He enjoyed hunting, fishing, gardening, storytelling and hybridizing iris.

Jessop is survived by his wife of 45 years, Marianne of Tracy, his son Ed and daughter-in-law Andrea of Livermore, daughter Joy Ann Jessop of Tracy and daughter Lori and Ken Welchoff of Livermore, siblings Ann Bordner of Arizona and Dan Jessop of Utah and six grandchildren.

Memorial gifts may be sent to Kennedy's Disease Association Inc., P.O. Box 2050, Simi Valley, CA, 93062.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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AROUND THE LAB



Survey polls Lab users of distributed computing

In an effort to help us meet future LLNL distributed computing needs more effectively, the Integrated Computing and Communications Department is assessing the Total Cost of Ownership (TCO) of our distributed computing environment (i.e., personal computers, email servers, MeetingMaker, help desks and local-area networks). As a part of this study, we are conducting a random survey of some of our users of distributed computing services.

The TCO analysis and user survey are being conducted in conjunction with Gartner Consulting, a leader in Information Technology measurement best practices. The user survey is designed to learn how end users view their distributed computing environment. In this survey, we will ask questions about:

- The tools and services you use and how satisfied you are with them.
- The sources of the support you receive.



CIO UPDATE

KEN NEVES

- The quality of the support you receive.

Three thousand desktop computer users at LLNL will be asked to complete a survey. The first 1500 survey requests will be sent via email to randomly selected users next week. The second 1500 survey requests will be sent to users in late March. No user will be surveyed more than once. The survey will be located on Gartner's Web site. It can be accessed by pointing your Web browser to the URL indicated in the survey email. The survey is short and should take 15 minutes or

less to complete.

All responses will be kept anonymous.

Survey and TCO analysis results will be shared with IT Management across the directorates. We expect the outcome of the analysis to identify key strategic processes or areas for improvement. This year's survey results and TCO analysis will be used as a baseline to results in future years as a way of quantifying progress achieved and effectiveness of improvement efforts.

If you are selected to complete a survey, I urge you to complete the survey in a timely fashion and help us baseline and continue to improve distributed computing services and support across the Lab.

For more information about ICCD's Total Cost of Ownership for Distributed Computing effort please contact Kim Cupps or Sue Marlais.

Ken Neves is the Laboratory's chief information officer.

New Lab hotline provides ergonomics information

A new hotline with information about ergonomics is now available to Laboratory employees by calling 2-ERGO (2-3746).

Ergonomics is a science of combining good habits and optimizing the environment to meet an individual's needs. Ergonomic principles help to maximize safety and prevent injuries.

While there are many excellent ergonomic programs and services at LLNL, employees have often been unaware of how to access them. In an effort to address this need, a new telephone information and referral service has been created to help employees gain access to ergonomic information.

LLNL has established an Ergonomic Hotline – 2-ERGO – (422-3746). It has been established to provide a road map for employees to obtain

ergonomic information and services. This service provides employees with a "one-stop shop" for basic ergonomic information, through an easy to remember number that will enable them to connect directly with someone who can answer their questions or direct them to ergonomic services.

2-ERGO can address many ergonomic needs including:

- Ergonomic equipment information
- Direction to internal and external web based ergonomic information



- Ergonomic literature
- Ergonomic courses offered at LLNL
- Ergonomic chair and chair repair information
- Resources to support individual program's ergonomic needs
- Guidance on how to obtain an individual or group ergonomic evaluation
- Resources for health concerns related to ergonomics

As additional services are made available, the 2-ERGO hotline will direct employees to these new services. The Hazards Control Department will staff the hotline.

BRIEFLY

Deadline for timecards changes

The cut-off for submitting weekly timecards to Payroll is moving up three hours. Starting with time reporting for the week ending Feb. 1, timecards will be due to Payroll by noon on Mondays. For release dates and times within each organization, please contact your department. The schedule change is in response to new accelerated financial reporting requirements issued by the Department of Energy and the Treasury to comply with the Federal Financial Management Improvement Act. For more information, call the Payroll Hotline at 2-9132.

Postdoc presentations postponed

Two Lawrence Fellowship presentations have been postponed until February. "Coherent Nonlinear Spectroscopy of Single Quantum Dots," scheduled for earlier this week, and "Semiconductor Nanowires as Building Blocks for Nanoscale Electronics and Optoelectronics," at 10 a.m. Monday, will be rescheduled at a later date.

December S&TR now online

The December issue of Science & Technology Review, the Laboratory's magazine, is now on line at <http://www.llnl.gov/str/December02/December02.html>. Its first article, "Emerging from the Cold War: Stockpile Stewardship and Beyond," concludes the series of highlights that commemorate the Laboratory's 50th anniversary. It describes how Livermore stepped up to a new national challenge after the Cold War — maintaining the safety and reliability of the U.S. nuclear stockpile without underground testing. A research highlight in the issue describes fundamental chemistry and physics research to control and use individual molecules. Another research highlight discusses the development of laser communications that the U.S. military can use to transmit data from advanced remote sensors in real time.

To receive an e-mail notice when a new issue of S&TR is available on line, send a request to str-online@llnl.gov. You may also subscribe through Open

LabNet's AutoReg <https://www-oln.llnl.gov/autoreg/cgi-bin/autoreg.cgi>

To become a subscriber to the hard-copy of S&TR, which is published ten times each year, e-mail your request to mailto:str-mail@llnl.gov. Provide the L-code or home address where you want the magazine sent.

Brown-bag on benefits of 403(b)

The Benefits Office will continue the brown-bag series on how to enhance your financial security by participating in the Tax-Deferred 403(b). The next session will be held from 12:15 p.m.-1:15 p.m. Friday, Jan. 31, in Bldg. 571, conference room 2301; additional sessions will be held on the last day of each month (excluding November and December) throughout 2003. Attendance is open and no pre-registration is required. Bring your lunch and your questions.

For additional information about benefit services or events, please see the Website at <http://www.llnl.gov/jobs/benefits>.



NEWS YOU CAN USE

"We maintain stock in over 130 areas throughout the Lab and Site 300."

Shop Stock

Let Shop Stock be the answer to your supply needs, including "nuts and bolts" hardware, office supplies, lab equipment and electronic components. We'll send a person to your area to stock those fast moving, low-value items.

The benefits of using Shop Stock

Cost effectiveness	Easy reporting for usage
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Three-week stock inventory	Annual usage reviews
New product lines	Vendor problems handled

Our reps have Unicard and TRR capabilities

Vendors include Boise Cascade, Allied Electronics, VWR, Newark Electronics and Buckles-Smith



For further information or a brief presentation in your area, call Ron Young, team leader for Shop Stock, 4-4100 or pager 5-5276.

NNSA announces academic alliance contracts

The National Nuclear Security Administration (NNSA) recently announced \$110 million in contracts for its Academic Strategic Alliance Program's Centers of Excellence. The five recipients and their centers have signed contracts for \$22 million dollars each over five years, exercising the renewal options of previous five-year contracts.

The five university-based Centers of Excellence were chosen competitively in 1997 from among almost 50 proposals to create complex computer-based simulations in support of NNSA's Stockpile Stewardship Program. The centers are: California Institute of Technology, Center for Simulating the Dynamic Response of Materials; Stanford University, Center for Integrated Turbulence Simulations; University of Chicago, Center for Astrophysical Thermonuclear Flashes; University of Illinois Urbana-Champaign, Center for Simulation of Advanced Rockets; and the University of Utah, Center for the Simulation of Accidental Fires & Explosions.

Acting NNSA Administrator Linton Brooks said: "Collaborations involving our national weapons laboratories and U.S. universities provide significant contributions to the science and technology required for the continued safety, security and reliability of our nuclear weapons stockpile. They are also a key means of recruiting the next generation of scientists and engineers needed to maintain the outstanding capabilities of our national laboratories."

The renewal proposals were subjected to an intense and extensive peer review by subject matter experts. The decision to extend the original five-year program for a final five years was based on the accomplishments and quality of the ongoing work as determined by peer review and its value to national security in the Stockpile Stewardship Program.

NNSA is funding the contracts to:

- Solve science and engineering problems of national importance through the use of large-scale, multidisciplinary modeling and simulation.
- Enhance overall supercomputer effort by

engaging academic experts in computer science, computational mathematics and simulations of science and engineering.

- Leverage relevant research in the academic community, including basic science, high-performance computing systems and computational environments.

- Strengthen education and research in areas critical to national security.

- Strengthen ties among NNSA's weapons laboratories and participating U.S. universities.

NNSA enhances U.S. national security through the military application of nuclear energy, maintains the U.S. nuclear weapons stockpile, promotes international nuclear non-proliferation and safety, reduces global danger from weapons of mass destruction, provides the U.S. Navy with safe and effective nuclear propulsion and oversees national laboratories to maintain U.S. leadership in science and technology.



Technical Meeting Calendar

Friday
24

PHYSICS AND ADVANCED TECHNOLOGIES/IGPP

"X-Ray Binaries in Nearby Galaxies," by Vassiliki Kalogera, Northwestern Uni-

versity. 12 p.m., Bldg. 319, room 205 (badge required). Refreshments will be served. Contact: Sandra Maldonado, 3-0621.

CHEMISTRY & MATERIAL SCIENCE/ MATERIALS SCIENCE AND TECHNOLOGY DIVISION

"Wetting and Prewetting Transitions in Liquid Metals," by applicant Vladimir Kozhevnikov, University of Utah. 10 a.m., Bldg. 235, Gold Room. Contact: Wayne King, 3-6547 or Rebecca Browning, 2-5500.

ELECTRONICS ENGINEERING TECHNOLOGIES DIVISION

"Image-Based Ventricular Blood Flow Analysis," by Timothy Jones. 10 a.m., Bldg. 141, room 1104 (Nyquist Room). Contact: Steve Azevedo, 2-8538.

FRONTIERS IN SCIENCE AND TECHNOLOGY: QUANTUM COMPUTATION AND INFORMATION SEMINAR SERIES

"So You've Built a Quantum Computer —

Now What are You Going to do With it?" by Seth Lloyd, MIT. 3:30 p.m., Bldg. 543 auditorium (uncleared area). Contact: Patrice Turchi, 2-9925, or Dawn Brosnan, 4-5008.

Tuesday
28

ENGINEERING DIRECTORATE'S CENTER FOR COMPUTATIONAL ENGINEERING

"The Marvels of Electromagnetic Band Gap (EBG) Structures," by

Yahya Rahmat-Samii, UCLA. 1:30 p.m., Bldg. 235, Gold Room. Contact Ann Tyler, 2-4380 or tyler8@llnl.gov to obtain the abstract.

CHEMISTRY & MATERIALS SCIENCE/ ANALYTICAL & NUCLEAR CHEMISTRY

"Exploration of Inorganic C and N Assimilation by Soil Microbes with Time-of-Flight Secondary Ion Mass Spectrometry," by John B. Cliff, Oregon State University. 3 p.m., Bldg. 151, Stevenson Room 1209 (uncleared area). Contacts: Ian Hutcheon, 2-4481, or Bonnie McGurn, 3-2764.

RADIATION DETECTION CENTER

"Advanced Scintillators for Gamma-Ray Detection," by Stephen E. Derenzo, Lawrence Berkeley National Laboratory and UC Berkeley. 11 a.m., Bldg. 151, room 1209 (uncleared area). Contact: Gregory Schmid, 3-7866 or Christie Shannon, 3-6683.

February
3

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Software Quality Process: Is it a Square Peg in a Round Hole?," by Stan Rifkin, Mas-

ter Systems. 10:30 am, Bldg. 543 auditorium (uncleared area). Contact: Nancy Storch (CADSE), 2-8942, or Leslie Bills, 3-8927. For more information see <http://www.llnl.gov/casc/calendar.shtml>.

February
7

CHEMISTRY & MATERIAL SCIENCE/MATERIALS SCIENCE AND TECHNOLOGY DIVISION

"Processing of Interstellar Dust," by A.G.G.M. Tielens, Kapteyn Astronomical Institute, Groningen, The Netherlands & Astronomy Department, UC Berkeley. 3:30 p.m., Bldg. 235, Gold Room. Coffee and cookies will be served at 3:20 p.m. Contact: Tom Felner, 2-0600, or Rebecca Browning, 2-5500.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

NEWS OF NOTE



Eight employees receive LLLWA scholarship awards

The LLL Women's Association presented its annual scholarships recently to eight Lab employees who are pursuing their formal education concurrently with their careers.

This is the 19th year the association has presented the scholarships. At the ceremony, held Jan. 16, Chelle Clements, who received three scholarships from the Women's Association while she earned her bachelor's and master's degrees from the University of San Francisco, shared how much the award meant to her.

"It may seem overwhelming to be going to school while you're working full-time, but you can do it. There is a lot of support here for you," Clements told the scholarship winners. "The scholarship, the Women's Association and the ceremony itself are support. I felt that support behind me when I was going through it."

This year's awards were presented by Dona Crawford, associate director for Computation.

Yahel De La Cruz was the recipient of the \$700 Luisa Hansen Award, honoring technical achievement and volunteerism. De La Cruz is a software engineer in Laboratory Services. She is pursuing her master's degree in information systems at the University of San Francisco.



FRANK NUNEZ/IBIS

Computation AD Dona Crawford, far right, presented this year's awards to the LLLWA scholarship winners. The scholarship winners included, from top, left to right: Sharon James, Yahel de la Cruz, Michelle Tomin, Teresa Delpha, Judy Trotter, Patricia Martinez and Patti Rines-Merkle.

Patricia Martinez received this year's \$400 Pat Campbell Award, honoring academics and community outreach. Martinez is a secretary in Chemistry and Materials Science. She is studying business administration at Modesto Junior College.

Winners of \$500 scholarships were Teresa Delpha, a senior computer support technologist in Computation who is studying computer information at Las Positas College, and Yolanda Rob-

les, a computer support technologist in Computation, who is studying computer information at Las Positas College.

The recipients of \$400 scholarships are Michelle Tomin, an administrative specialist in the ES&H Information Management Office, who is pursuing her bachelor's degree in business management at St. Mary's College, and Judy Trotter, an administrative specialist at NIF, who is also pursuing a bachelor's degree in business management at St. Mary's.

The association presented \$200 scholarships to Sharon James and Patti Rines-Merkle. James is an administrative specialist in Defense and Nuclear Technologies and she is pursuing a bachelor's degree in business management. Rines-Merkle is an administrative specialist at NIF and is studying business at Modesto Junior College.

The funds from the scholarships come from LLLWA membership dues, fundraisers, donations and the Lab's Diversity Program.

The scholarship committee evaluates each application on the basis of the employee's educational history, stated goals and objectives, as well as a personal interview.

MLK

Continued from page 1

Manteca and Britni Blair from Modesto High School, the two winners of a Lab-sponsored essay contest on Dr. King, read their essays aloud to the appreciative audience. Laboratory Executive Officer Ron Cochran called the winning essays "remarkable" and presented Jones and Blair with \$750 scholarships. UC Regent Odessa Johnson was on hand for the awards presentation.

In his keynote address, retired Lab chemist Jim Evans declared that King's dream of "one nation indivisible" is a "dream deferred." Although people of all races and nationalities sit together at sporting events, eat at the same restaurants, and shop at the same stores, the nation still suffers from unequal educational facilities and workforce diversity, he said.

Evans, who gained first-hand knowledge of racism from growing up in Arkansas, said too many urban children today attend poorly funded schools with inadequately trained teachers. As a result, their role models are limited to sports stars and entertainers. He also cited a news report revealing that resumes from applicants with black-sounding names received 50 percent fewer responses from employers.

Evans urged Lab managers and supervisors to do more to hand out choice assignments in an even-handed manner and give honest feedback to workers. He also encouraged people to examine common stereotypes. Not all black people have rhythm or make great athletes, he joked, pointing to himself as a strong example.

The Berkeley Black Repertory Group gave a specially commissioned dramatization that



MICHAEL ANTHONY/IBIS

Mark Gaskins, a student at California State University at Hayward, recited Martin Luther King Jr.'s "I Have a Dream" speech during the Laboratory's celebration last week.

featured a bus driver from the "Diversity Bus Line" stopping to pick up people with different ethnic backgrounds. The passengers discussed Martin Luther King's influence on their lives.

The event concluded with a procession of representatives from employee network groups including the Association of Black Laboratory

Employees, American Indian Activity Group, Asian Pacific American Council, Amigos Unidos Hispanic Networking Group, Lesbian, Gay, Bisexual and Transgender Association, LLNL Armed Forces Veterans Association and LLNL Women's Association. The representatives and the audience joined in a rousing rendition of "We Are the World."



CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

AUTOMOBILES

1991 - Toyota Camry DX- 5spd stick, CC,PS,PB,PW, 132K miles, good commuter, \$3000. 925-838-5818

1997 - CONVERTIBLE, Toyota Celica GT, Red w/black top. New tires, AC, Auto Power, AM/FM Cassette, Driver & passenger air bags. \$13,000 OBO. 925-240-1757

1992 - For sale: 1992 Plymouth Colt Vista. Top condition, complete maintenance records, \$1200. Call evenings 925-447-9276

1991 - Honda Accord EX Wagon. Loaded w/ sun roof, air bag, alloy wheels, keyless entry, new timing belt. Very good condition 173K miles \$4,000.00 925-447-4406

2000 - Jetta GLS Turbo (Grn w/tan interior), 5 speed manual, 44K Mi, VW Warranty, Sunroof, Loaded, Great Commuter. Asking \$11,900 OBO 925-634-1599

1992 - Ford Explorer XLT, V6, 4X4, AT, AC/PS/PW, AM/FM/CASS, ski/roof racks, new Michelin tires, original owner, 127 K miles, excellent condition, \$4600. 925-846-1675

1993 - Nissan Quest GXE, 7 Pass, Leather, Quad Seating, Tow pkg, Service records, 154K Miles Fully loaded in great condition \$4,995 925-552-6684

1998 - Ford Mustang, Silver, Auto-trans, Tinted Windows, keyless alarm entry, spoiler, power doors & windows, 85K miles, \$6,900 obo. Must see. 925-964-0534

1994 - Ford explorer LTD 105K miles, loaded, 4wd, leather, looks great and runs great. \$7500 209-836-0631

1948 - Plymouth sedan, runs good, engine good, lists in old cars price guide in its condition at \$2880.00 925-447-2049

1990 - Cadillac Coupe de Ville, white w/gold packg., navy leather int., AM/FM cassette, A/C, clean body, engine needs work, 170K miles. \$1900/OBO. 209-833-8306

1998 - Honda Accord, 4dr, EX-L, clean, dark green w/tan leather, auto, air, cruise, sunroof, all power, am/fm/cd. Gary, 925-735-5610 x203 or 925-443-5890

1996 - Ford Aerostar XLT 125K miles/tow pkg/4 captains chairs/back seat folds flat. Good condition. \$3900 925-516-1501

1985 - Chevrolet Silverado, 1-ton, good condition, loaded, smogged, \$3,950. 510-537-9616

1992 - Suburban cust 20inch wheels towpkg rebtl engine rebtl tranny new interior grt paint cust stree flw mstr dual exhst 13k firm 925-245-1560

2000 - Red Hyundai Tiburon 30K, Good Condition, PWR Windows, Moon Roof, CD/Tape, Anti Theft, Leather, New Tires, \$8,800 OBO. 209-612-6044

1995 - Mazda Protege, auto/AC, 96K miles, good condition; \$2900/OBO. Evenings: 925-648-5008

1996 - LHS New Yorker below 1/2 Kelly Blue Book. Needs pwr steering. Drivable and fully loaded, runs great. Great commute car. Asking 4895. 209-599-7914

AUTOMOBILE ACCESSORIES

92 - (4 - P155/80R13) Tires mounted on stock Toyota Tercel wheels. Ready to roll. 20% tread left. Have to take all \$25.00. 209-835-8962

15 inch tire chains. Never used. \$20 209-599-0922

1991 Grand Dodge Caravan rear three person seat for sale (light blue fabric). \$50 or BO. 209-334-1006

JEEP Cherokee, retracting cargo cover, \$10. 925-249-1786

BICYCLES

Two 1995 Trek 7000 mountain bikes

(his & hers). Aluminum frame and fork, shimano XT components. Paid \$600 each. Asking \$600 for both. 925-456-3462

BOATS

Denny Kidder Water Ski Life Vest x1 \$45 Red/Purple/Black 925-245-1414

1979 Eliminator Jet-Yellow and Blue, nice looking, loud and fast! Runs awesome. Great for racing or just cruising. Wife says must go! \$6,000 obo. 925-447-0343

ELECTRONIC EQUIPMENT

Kenwood 5 disc CD player \$65, Teac single CD player \$45, LP record player \$60. All in excellent condition. 925-292-7799

Pentium class 500 Mhz PC, 128K Memory, 2 gig & 1 Gig HD, MS Office, CDROM, Ethernet, sound & modem cards, color monitor included. Excellent \$350. 925-292-7799

Laptop computer..Apple Powerbook 190CS. Incl network PC card. MacOS 7.6.1 512 Mb HD. \$95.00 925-449-1464

Tape recorders, TEAC 3340 4-channel recorder, 15 IPS, with a second one for parts, \$120 for both 925-447-5194

19" color television with remote (Zenith). Approximately 10 years old. Works Great. \$25 209-599-0922

Sony Clie PDA. Palm OS, hi-res color swivel screen, QWERTY keyboard, digital camera, MP3 player, memory stick expansion slot and USB cradle. \$500/obo 209-329-6273

Diablo DAISY WHEEL PRINTER & font wheels. Perfect condition. Manuals for parts, schematics, and use. Leave email address for pics and spec. \$85BO. 510-490-2344

GIVEAWAY

Cannon E07 video camera 8mm FREE needs minor repair (tape insertion) new 1996 925-634-0423

HOUSEHOLD

Gently used infant to 3T clothing for boys. 3 bins full. Name brands. \$1-\$10 per item or make offer. 209-833-8306

Vanity top 32 inch cultured marble, wht-on-wht. \$50.00. Sliding shower doors fits up to 48 inch opening. New, glass only, no frame. \$50.00 925-292-1785

Work bench, heavy duty, Vidmar style drawers, powered bridge and light. \$125 925-447-5194

Antique style dresser with mirror, chest of drawers, headboard/rails, scratched in storage. Must sacrifice \$200 or BO. 209-334-1006

Antique dining table with oak base and marble top, 42 in., square. \$500 Call after five. 925-447-2844

Kitchen Aid dishwasher, must sell, excellent condition, 4y old, stainless steel interior, was \$720, sell \$125 or b/o. 925-449-7661

Wooden Crib. Maple? Still set up. Great condition. Paid \$275 one year ago. Will take \$175. 925-829-1474

Moving in 2 weeks, must sell - Full sized sofa \$50, Matching love seat \$25, coffee table \$20, metal work desk \$35 - All in excellent condition. 925-373-3390

Electric range oven. White, not self-cleaning. Outside in excellent condition. Inside needs to be manually cleaned. \$50 obo. You pick up! 925-606-1419

Crib & Changing table & Dresser (Italian Wood). GREAT condition, like new. Crib converts into double bed. 350 for set. 209-892-2369

Leather Sofa - Creme color \$275 obo. 925-245-1414

COMPUTER desk in excellent condition. \$125. or best offer 209-824-2653

Men sportcoat, navy blue. Size 38. Excellent condition. \$25. 925-648-0671

MICROWAVE, for counter-top, in perfect condition. Installed a new built-in. Leave email address for a pic and specs. \$65.00 or BO 510-490-2344

CLAY PLANTING POTS. Many sizes. Some 1ft diam. All for \$30. You pick up from Springtown home. Get started on spring garden. 925-456-7826

Three sets of wood louvered doors. Unfinished like new \$20 and \$30 each obo 925-846-4864

MISCELLANEOUS

Lincoln Mig Welder SP-150 Idealarc. 1-A Gas Bottle, hood, bottle full, 12lbs wire. Complete Unit \$1000. obo 925-443-3091

CRAB FEED. Aahmes Shriners Novkeys @ Centennial Hall, Hayward, 2/21/03. \$25 ea. Live C/W music, dancing, prizes. Call for tickets. 925-449-5667

BRIO Childrens play table/train set. Includes misc pieces of wooden track and more. Great condition. \$80.00 925-829-1474

Two leather chairs with side table \$150.00 925-829-3068

Beanie Babies - retired \$15.00 each. Gigi, Fuzz or Stills. Leave message. 925-443-8394

ACME beer wooden crates, original, good for antique displays \$10 each 925-447-5194

Coffee table 16hx44w End Table 21hx24 - \$175. Glass Tops with Dark Green Iron Base Infant Carrier Graco \$30 Mens Leather Jacket Black XL \$75 OBO 925-245-1414

Gorgeous ladies Ruby and Diamond Ring set in gold. In mint condition, asking \$450.00 or best offer. 209-612-8052

Lexus stainless steel coffee commute mug. Brand new. Paid \$20+. \$10. 925-648-0671

Raiders MVP player Rich Gannon original signature football jersey, size large. Only \$300.00 925-449-4887

Craftsman yard blower vac and gutter clean out kit \$60.00 used very little. Car seat like new \$25.00. 925-846-4864

MOTORCYCLES

1982 - Suzuki, GS 650, runs Low Mileage, 35K, \$600 OBO 925-449-3152

MUSIC INSTRUMENTS

Schober theater organ, works fine, w/external spkr & bench. Solidstate, walnut, 25 pedals. \$200 call 510 793-2705 925-447-4722

IBANEZ ArtStar 50 Hollow body Elec. Guitar, hard case w/Peavy Reverb Amp and pedal. \$450 925-516-1616

Upright piano. Good Condition. \$200 925-449-5865

Alto Saxophone mint condition still in original case \$500 obo 209-815-2259

Ibanez GBS 100 Bass Guitar-new gig bag-\$150 Near new Ampeg BA-112 amplifier-\$400 obo 209-835-2416

PETS & SUPPLIES

1 yr old Carolina dog mix free to good home. Very friendly, intelligent, high energy. Spayed, all shots. 510-558-8124

Large sst rabbit cage on wheels like new holds up to 12 rabbits easy to clean paid \$750 asking \$550 obo you haul 209-832-9665

Female boa. Free to good home. Comes with cage, heater, etc. Very friendly; easy to care for. 925-447-8820

Two adult cats (grey & white / black

& white) free to a good home. Pet house included. Please call for more information. 209-834-2604

Bishop Ranch Vet Center in San Ramon \$25 gift certificate for any vet services. \$15. 925-648-0671

RECREATION EQUIPMENT

ATTENTION SPINNERS: Greg LeMond Revmaster Cycle, stable frame, multiadjustments, practically new, cost \$999, selling for \$699. 925-827-2574

Ladies Ski Jackets & ski outfits. Size 10-12, 2 pr matching ski pants, like new \$40.00. After ski boots 6 1/2 \$8.00. 925-634-4831

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>.

Ceres/Modesto - Looking for riders for a potential 9/80 vanpool. 209-537-0229, ext. 3-6631

Sonora - Carpool rider needed. Flexible hours. Leave from Sonora, Columbia or Jamestown to LLNL. 209-588-8733, ext. 4-3919

Manteca - Working 9/80s? Ride with us four days a week. 209-823-8309, ext. 2-8669

Lafayette - LaMorinda Vanpool (also Walnut Creek stop at Rudgear Rd), reclining seats, reading lights, 7:45-4:45, \$100/mo (pretax reduction available) 925-943-6701, ext. 2-3005

Orinda - Lamorinda carpool seeks 4th rider/driver. Lab hours 8:10am-5pm. Departs from near St. Stephens and Highway 24. 925-253-0498, ext. 2-9823

SERVICES

CONCRETE: Custom, stamped, colored, foundations, retaining walls & more. Over 20 years exp. 408-806-9816

Need your vehicle fixed? I am looking for extra work. Oil changes, tune-up, brakes, detailing and more. Certified. 925-292-5051

TUTORING in high school and college math and chemistry. 925-443-2095

Wedding Photography: over 20 yrs exp. Medium format cameras used. You keep the negatives. 925-829-1474

SHARED HOUSING

Livermore - Master bdrm, pvt bath, N/S, N/P. Full priv. 4 miles to lab. \$595/month plus util. 925-200-9976

Livermore - 1/2 House - \$800 + 1/2 utilities. 2mi to LLNL. 3bd/2ba, hrdwd/tile flrs, frplc, A/C, pool w/srv. Available 2/1/03. 925-449-1416

Livermore - 3 bdrm, clean, non-smoking, private bath, use of front area and laundry, no pets, \$500 + 1/2 utility 925-371-5587

Livermore - furnished room for rent. Mature adult/long term preferred. Clean/quiet. \$550.00/ month. Share utilities 1/3. Deposit required. 925-449-1128

Livermore - Single parent w/2 daughters has room avail for rent. Mstr bdrm/bath, full priv, Warm, friendly environment. Southside. \$600 incl. util. Female pref. 925-606-0260

TRUCKS & TRAILERS

2000 - Ford F250 Super Duty, Crew Cab, Diesel, Short Bed, A/T, Two-Tone Black and Silver, IN EXCELLENT CONDITION. Asking \$25,400. 209-845-9077

1996 - TOYOTA TACOMA, 4 Cyl, Automatic, Air Conditioning, Bed Liner, 143K Miles, \$5950.00 209-918-1437

1999 - Dodge Dakota Crew Cab, White, V-6, 5-Speed, AM/FM Cass,

79K miles, excellent cond in & out. 9,995.00 OBO 925-634-8523

1986 - Jeep Cherokee Pickup, 2WD, 2.8 Liter V-6, 5 speed. 122,000 miles. Runs great. Call for details. \$1,800.00 209-835-8962

1986 - Starcraft 16 foot tent trailer excellent condition, sleeps eight, refrigerator, hot water heater, space heater, dual tanks \$1800 510-317-1741

1988 - Ford F250. 32000 miles on engine Auto, V8, AM/Fm, cassett, Duel tanks, long bed. Exc Cond \$3300. B/O. 925-513-0854

1986 - Toyota pickup with camper shell, in good condition. Runs good, excellent gas mileage. Passes smog, \$2700 209-845-1231

1978 - Chevrolet 4 wheel drive, auto trans, 350 Engine, good tires, towing pkg, lumber rack, runs good, smogged and tagged - \$2000 OBO 925-828-9174

2000 - Toyota Tacoma xtra cab 4x4 TRD, 5 speed manual, 71K, Snug-top, All options, \$18500. 209-823-5573

1981 - FORD VAN, rebuilt engine 50,000 miles-6 cyl, 4.9ltr; auto, air, cruise, very clean, insulated, carpeted sleeping platform \$800/firm 925-455-8779

VACATION RENTALS

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

Maui, Hawaii - Maui condo, RCI Gold Crown, large, 1 bed, 2 bath, sleeps 4. Available May 9-16 or trade for other times. 925-447-0856

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, newly re-modeled, nicely furnished, all amenities, close to all skiing, RESERVE NOW FOR SKIING! 209-599-4644

WANTED

2000-2002 Hondy Odyssey EX Minivan with low miles to buy from you! 209-334-1006

Wanted: Old dull metal drill bits up to 3/4 inch diameter. I will sharpen and reuse for shop projects. Will pick up if local. 925-447-9299

Partners for 4 Giants season tickets. Lower Box 131, Row 37, seats 9-12. Three partners looking for as many as 5 more. 925-245-1137

Would like to buy CAL (mens) basketball tickets for family outing. Matt 925-648-8352

Wanted: Vintage Cabbage Patch Kid dolls to add to my collection. 209-612-8052

Wanted: Reasonably priced used Ranger or Explorer factory wheels 96 or newer. Make room in the garage, call me! 209-607-1352

Rented THE SOPRANOS 1ST SEASON Disc 1, got hooked, would like to borrow the boxed set to see the rest. 925-485-1988

Video of the January 5 49ers vs Giants NFC game. 209-832-1321

STEP for Aerobics 925-443-2172

Monitor for a pc is needed for a student. 209-786-2245

Would like to meet people who build wooden ship models as a hobby. 925-706-7444

Silver Christmas tree with color wheel light. 209-830-8063

Old stereo equip., speakers, vacuum tube equip, tubes. 925-443-2954

Baby Furniture, all types, good quality. Need crib, stroller, infant car seat, etc. 209-836-9166

Need moving boxes. Will take any moving boxes away for you. 925-292-7799

Essays: If Martin Luther King Jr. were president today

Editor's note: These two students were the winners of the Lab's annual essay contest for high school seniors. They were asked to write on the topic, "If Dr. King Were President Today, How Would He Lead Our Nation?"

King would have changed the course of history

By Britni Blair

MODESTO HIGH SCHOOL

The untimely and tragic death of Dr. Martin Luther King Jr. leaves today's society wondering... What would life be like if he were still here? What kind of effect would a man of his beliefs have on today's people and the way they live their lives? What if Martin Luther King Jr. was president today?

The events of Sept. 11, 2001 were undoubtedly horrendous and seemingly abysmal. They leave the inquiring mind to wonder why; why was this brutal act of disrespect for human life played out in front of our eyes like a gory horror film? The frightening, but true answer, is that America is, and has been, a nation of great power. It has held its ground through rocky times and helped its neighboring nations do the same. However, through the eyes of Iraq and some other groups of people, America is greedy, arrogant, and has no concern for poorer nations as long as America has more than what it needs. Our nation has been accused of abusing the world's resources at the poorer countries'

expense. King himself stated, "America has written a check they cannot cash." This mentality is in direct opposition to that of King's attitude. He believed in having what you needed and watching your brother do without was unholy. Martin Luther King Jr. led in the civil rights movement by example. He maintained the need for respect for his position by peacefully protesting his beliefs. Although not always receiving that respect in return, he looked toward the bigger picture and insisted that nonviolence was the best, and only, way of conducting yourself respectfully and effectively. That leaves the knowledgeable person to infer that if Martin Luther King Jr. were president today, there would have been no Sept. 11 attack. Every man would hold equal value in our president's eyes whether they were in America or China. There would be no abuse of resources because the misuse of what God has given wouldn't stand with our president.

We often hear our preceptors speak about the attack on our young black men today. We must admit that this is our fault. We are an



Britni Blair

MICHAEL ANTHONY/IBIS

oppressed people without question; however, we are also the strong, creative, and perfectly capable people who assisted in the building of this country. Blaming the hip-hop culture, movies, and the media is a desperate attempt to get out of something often referred to as parenting. King would undoubtedly bring this to our attention and be that example lacking in so many lives. King believed a father figure who values Christian morals was the backbone of a family. His presence in office would be one to

inspire generations of all sorts, especially black males, to strive for nothing less than excellence.

Some would argue that this country lacks quality leadership and morals. Regardless of how you, feel, we need to realize that leadership is a key factor in the way a country does or does not prosper. If Dr. Martin Luther King Jr. was president today, he would provide a refreshing outlook that incorporated the gospel as well as the basic respect for the well being of your neighbors.

King would command world respect, not fear

By Matthew Ryan Jones

EAST UNION HIGH SCHOOL

In the history of the United States, one can point to a few key people who literally changed the nation's course. One such person is Dr. Martin Luther King Jr. Dr. King is best remembered as a man who advocated nonviolent protests to laws and traditions that kept African-Americans from attaining full equality with white Americans, particularly in the southern region of the United States. However, Dr. King stood for so much more. His life was not spent only to better the social and economic circumstances of southern African-Americans, but to promote unity among Americans of all races and walks of life. If Dr. King were president today, he would work to make our nation one that embraced people of all colors and cultures, offering them all the same chance at taking advantage of the wonderful opportunities that help make America a land like no other. He would also endeavor to make our nation one that stood as a symbol of freedom without the need for violence.

In accordance with his belief that all people are created equal, Dr. King would encourage the passage of legislation that made any discriminatory hiring practices illegal. His goal would be to insure that a person got a job because he or she was the best candidate for it, regardless of his or her physical or economic circumstances or personal beliefs. He would encourage the creation of new labor unions because he would understand

the power to change an unfair situation that a group of determined people possess. Dr. King would not attempt to reduce welfare spending. He would realize that there are people in the United States who are truly unable to work, but still need to support their families. Nor would he aim for spending cuts in Social Security or Medicare, as he would see that the elderly and those who cannot find high-paying jobs, need food, clothing and medication just like everyone else.

Dr. King would support prayer in schools. He would promote parents spending time with their children, and work to see that children had plenty of safe places to go and have fun after school and on the weekends. He would do these things because he would see the value of national pride and would know that people need something to believe in. He would realize that families provide much-needed support for all their members, and that people feel better when they have someone they can communicate openly with.

Dr. King would want our nation to be respected in the world community, but not feared. He would not want the size or funding of the military to be decreased, but would not want to use force with other nations or groups of people unless absolutely necessary. He would encourage extensive conferences with the leaders of would-be aggressor nations, in an attempt to find out exactly what it was that they held against the United States. He would attempt to work with them to pacify them, rather than

intimidate them with threats of military action. Dr. King would not, however, shun involvement with foreign affairs. Wherever it was obvious that people were being oppressed, he would be willing to commit American forces to set them free from tyrannical governments or factions. Also, he would encourage the use of the American military in humanitarian missions, to provide food, clothing, medicine and shelter to the underprivileged people of the world.

Dr. King would also attempt to increase the number of police officers in the United States, as well as to increase education spending. These goals, when combined with those listed above, would help insure that no American had to live in fear. The United States would be seen as a nation that was powerful but want-



Matthew Ryan Jones

MICHAEL ANTHONY/IBIS

ed to give out of its bounty to those who had little. He would help make America a place where anyone willing to put forth the necessary effort could succeed in life. If Dr. Martin Luther King Jr. were our nation's president today, he would attempt to make the United States of America a place that its people were glad to call their homeland.



THE BACK PAGE

EYEGLOSS

Continued from page 1

The lens, developed with three years of Laboratory Directed Research and Development support, was built for DARPA as a prototype for a much larger space-based telescope. Eventually, the team, led by principal investigator Rod Hyde, and scientists Sham Dixit and Andy Weisberg, hopes to build a 25- to 100-meter lens that would be launched into orbit and assembled as a space-based telescope for Earth and space observation.

The team built the lens by seaming together multiple, thin-glass (1/32-inch thick) lens panels. The lens has the resolution of a monolithic lens, yet is lightweight and foldable for space applications.

The 5-meter lens sits on the east side of the Laboratory adjacent to the High Explosives Activation Facility, the only open site large enough to operate the system, Weisberg said.

Last year, the team demonstrated the power of the lens by directing red, green and violet lasers through the optical system.

An observatory would have to be built around the lens for it to be used as a ground-based telescope, Hyde said.

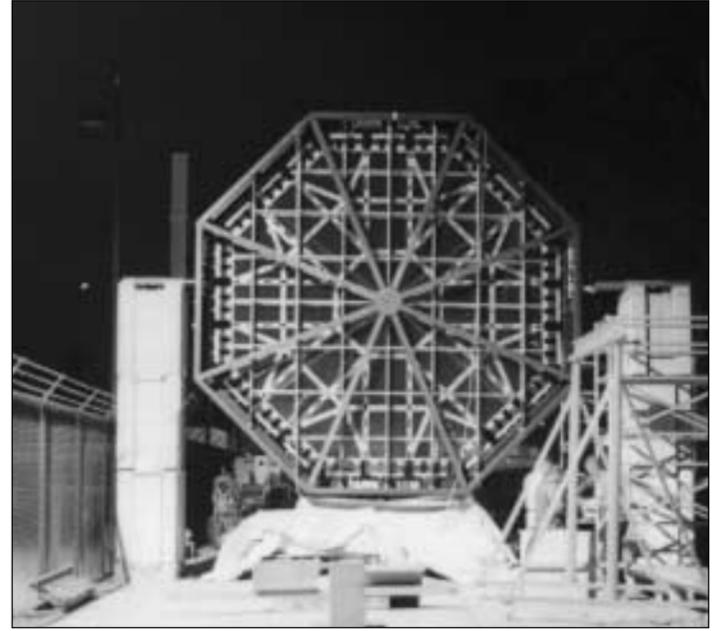
"We built this lens to demonstrate the feasibility of large diffractive optics and as a prototype for even larger space-based systems" he said.

The team proposed the \$3.2 million project in

2000 in response to a series of studies by the Air Force, the National Reconnaissance Office (NRO) and the National Aeronautics and Space Administration (NASA), which identified the critical role that large optics play in space-related missions. Namely, large low-mass optics are needed for those agencies' missions from NASA's Next-Generation Space Telescope, NRO's higher-resolution and availability imaging systems and the Air Force's beam transport and focusing.

The Lab's project uses diffractive optics, a very different approach from mirrors or conventional lenses. While such optics are generally most useful for single color, such as laser applications, Hyde's team developed chromatic correction techniques to enable them to be useful for broad-band imaging while retaining their advantages of low mass and relaxed tolerances.

In previous years, the team demonstrated the capabilities of such optics by building and testing broad-band diffractive telescopes and by building a 2-foot, six-segment folding lens. Earlier this year, they fine tuned their lithographic fabrication techniques and produced 72 individual lens panels, which were aligned and assembled into the full-size 5-



SHAM DIXIT/NIF

The Eyeglass 5-meter diffractive lens, the world's largest lens to date, is made up of 72 aligned glass panels.

meter lens.

"This is ideally suitable for space," Dixit said. "We demonstrated it could work in a smaller size first and then built it to scale. This is the first system built out of glass at such low weight, large size and high precision."

FIRE

Continued from page 1

capabilities which had been conducted at the observatory though most of the data was saved.

Cook said the destroyed \$2.5 million spectrograph for the 8.2-meter Gemini North telescope in Mauna Kea, Hawaii — that had just been completed and was due for shipment — will especially impact the entire international astronomy community.

"It was just a few months away from being sent to Gemini," he said.

In addition, workshop staffs were preparing to build a \$3.7 million adaptive-optics imaging system for the Gemini South telescope in Chile.

In the late 1990s, a U.S. and Australian team were able to detect that about one-fifth of our galaxy's dark matter is composed of massive compact halo objects by using the 50-

inch Great Melbourne Telescope at Mount Stromlo Observatory,

Cook, who is a key member of the MACHO

team, said most of the data that was maintained at Mount Stromlo was backed up on off-site computers. However, he said Livermore lost about \$500,000 worth of equipment in the fire.

But another Livermore project has come to a halt now that the telescopes are destroyed. Most recently, Livermore researchers were using the GMT to search for large objects in the trans-Neptunian region, Cook said.

Cook said about 700 objects that are roughly 200-kilometers in size have been found in the Kuiper Belt, part of

the trans-Neptunian region, but this survey was looking for much rarer, larger objects similar to Pluto.

"That search is over," he said.

Bush fires, fueled by warm and windy weather, erupted Saturday near the country's capital of Canberra. By Sunday, Mount Stromlo staffers were given less than 20 minutes notice to evacuate. To date, the fire has killed four people and destroyed 419 homes in one of what Australian officials are calling the country's worst-ever natural disasters.

The Mount Stromlo Observatory, operated by the Australian National University Research School of Astronomy and Astrophysics, was one of Australia's leading centers of astronomical research.

For U.S. residents who want donate to rebuilding the observatory, donations can be made through the Charities Aid Fund of America. For further information e-mail Bruno.Yvanovich@anu.edu.au or phone +61 2 6125 3024.



PHOTO COURTESY OF AUSTRALIAN NATIONAL UNIVERSITY

One of the four telescopes at the Mount Stromlo Observatory that was destroyed by fire.

PRIVACY

Continued from page 1

According to Bob Perko, division leader of Staff Relations and the Laboratory's HIPAA privacy officer, the Act is significant for several reasons. In addition to enhancing protections of the personal health information the Laboratory maintains on each employee, it also limits the use and release of such information, and establishes sanctions for improper use or disclosure.

To properly implement the program, those Lab employees who use, access, share or handle personal health information must receive training in HIPAA requirements. About 450 people

in the various directorates have been identified. Included, among others, are directorate return-to-work managers, Institutional Review Board members, research principal investigators, paramedics and employees in Health Services.

Training will be Web-based using a basic module designed by the UC. Additional modules related to specific jobs, and appropriate completion dates will be available later. The basic module takes about one hour to complete. Training requirements will be entered in LTRAIN. Basic training is available starting Feb. 3, and must be completed by April 14. Those employees requiring training will be notified.

Questions regarding HIPAA coverage and implementation should be made to the Staff Relations Office at 2-9501.



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